

WYN ANDERSON

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TECHNOLOGIES

React, JavaScript, Next.js, Node, Express, Redux, Jest, Vite, HTML 5, CSS 3, Firebase, Postman, Figma, Photoshop

WORK EXPERIENCE

Program Manager

MAGICALL, INC.

2021 - PRESENT

Software Development

- Designed and developed React dashboards to visualize project status for internal stakeholders.
- Stored issues, requirements, actions, etc. on Firebase's NoSQL database to handle SSO and ensure data security
- Provided leadership, direction, and project governance to a multidisciplinary team of 10+ engineers.
- Contributed to software architectural decisions that resulted in a 50% reduction in software response time.
- Lead 20+ C code reviews that highlighted and addressed 8 potential risks, saving upwards of 6 months of development time.
- Successfully managed compliance interactions of 300+ customer requirements, optimizing trade-offs of potential product solutions and their effects on the overall compliance snapshot.
- Architected automated software testing procedures that will increase unit test coverage by 40% and reduce manual testing by 30 hours per regression analysis iteration.

Technologies Used: Agile, Waterfall, React, JavaScript, HTML/CSS , Node, Express, Firebase

PROJECT EXPERIENCE

Homebase

Real Estate Trends Mapbox Application

[Github](#)

[Visit](#)

- Created a modern React application that utilized DeckGL and Mapbox to efficiently visualize large geographic data sets.
- Employed custom algorithms to merge Zillow's economic models with US Census geographic data.
- Designed a responsive UI that allows users to customize the visualization
- Wrote custom hooks for data fetching which were merged with Zustand's state management to provide accurate loading indicators across the entire application.

Technologies Used: React, JavaScript, CSS, DeckGL, Zustand, Fuse, Mapbox, Vite, APIs

Spark

Financial Modeling CRUD Application

[Github](#)

[Visit](#)

- Developed an intuitive React application that models future financial performance based on users' income, savings habits, and investments.
- Validated user input with Formik and Yup, ensuring the correctness of the model while maintaining the responsiveness of the user input controls.
- Implemented an asset management module used to create, read, update, and delete assets from a Firestore database.
- Employed data persistence across devices using Google SSO and Firebase.

Technologies Used: React, JavaScript, Formik, Yup, Firebase, Vite

EDUCATION

California Polytechnic State University, San Luis Obispo (Cal Poly)

2021

BSc. Aerospace Engineering

- Used Python, C++, and Matlab to model fluid dynamics, motor mechatronics, and aeronautical design characteristics
- Learned common Data Structures, Algorithms, and CS Fundamentals